

comprising a filter cleaning apparatus configured to project a cleaning liquid supplied by a separate dedicated pump onto a downstream side of the filter to dislodge particulates trapped on an upstream side thereof, the filter cleaning apparatus comprising a rotatable member rotatably mounted on a tubular member having at least one side-opening configured to supply cleaning liquid to said rotatable member, wherein a gap is provided between the tubular member and the rotatable member configured to allow cleaning fluid to escape and maintain the bearing surfaces free of particulates.

20. (Original) A filtration system as claimed in claim 19, wherein a first chamber is defined in the sealed vessel and the filter is provided in said first chamber.
21. (Original) A filtration system as claimed in claim 19 further comprising air evacuation means suitable for evacuating air from the system.
22. (Original) A filtration system as claimed in claim 21, wherein the air evacuation means is arranged to evacuate air from the sealed vessel.
23. (Original) A filtration system as claimed in claim 21, wherein the air evacuation means is a venturi.
24. (Original) A filtration system as claimed in any one of claims 19 to 23 further comprising a pump suitable for reducing the pressure in said sealed vessel to cause liquid to be drawn into the vessel.
25. (Original) A filtration system as claimed in claim 23, wherein the venturi is connected on the pressure side of the pump.

26. (Currently Amended) A filtration system as claimed in claim 24 ~~or 25~~ further comprising a valve sub-system operable to change the connection of the pump to the sealed vessel.

27. (Original) A filtration system as claimed in claim 26, wherein the valve sub-system is operable to connect the pump upstream of the sealed vessel to cause the system to operate in a purging mode.

28. (Original) A filtration system as claimed in claim 27, wherein, when the system is operating in said purging mode, the pump introduces a purging liquid into the sealed vessel to flush filtered particulates through a discharge outlet.

29. (Original) A filtration system as claimed in claim 28, wherein the valve sub-system is operable to open and/or close the discharge outlet.

30. (Original) A filtration system as claimed in claim 28, wherein the purging liquid is liquid taken from upstream of the filter.

31. (Original) A filtration system as claimed in any one of claims 26 to 30, wherein the valve sub-system is operable to connect the pump downstream of the sealed vessel to cause the system to operate in a filtration mode.

32. (Original) A filtration system as claimed in claim 31, wherein, when the system is operating in the filtration mode, the pump draws the liquid supply into the system through a system inlet, the system inlet being connected to at least one conduit having at least one opening.

33. (Withdrawn)

34. (Withdrawn)

35. (Withdrawn)

36. (Original) A filtration system as claimed in claim 19 further comprising a UV light module.

37. (Cancelled)

38. (Currently Amended) A filtration system as claimed in claim 1937 further comprising a flow compensating device for increasing the proportion of the cleaning liquid directed to the filter cleaning apparatus when the filter is partially blocked.

39. (Original) A filtration system as claimed in claim 38, wherein the flow compensating device is a spring-loaded valve.

40. (Currently Amended) A filtration system as claimed in claim 1937, wherein the cleaning liquid is liquid filtered by the filter.

41. (Currently Amended) A filtration system as claimed in claim 2637, wherein the valve sub-system is operable to connect the pump downstream of the sealed vessel to cause the system to operate in a filtration mode and the cleaning liquid is supplied to the filter cleaning apparatus only when the system is operating in a filtration mode.

42. (Original) A Filtration system as claimed in claim 41, wherein the supply of cleaning liquid is controlled by the valve-subsystem.

43. (Currently Amended) A filtration system as claimed ~~in any one of claims~~ 2637, wherein the valve sub-system is operable to connect the pump upstream of the sealed

vessel to cause the system to operate in a purging mode; when the system is operating in said purging mode, the pump introduces a purging liquid into the sealed vessel to flush filtered particulates through a discharge outlet, the purging liquid being introduced into the sealed vessel through said filter cleaning apparatus when the system operates in said purging mode.

44. (Currently Amended) A filtration system as claimed in claim 1937 further comprising a pump suitable for reducing the pressure in said sealed vessel to cause liquid to be drawn into the vessel, wherein the cleaning liquid is supplied to the filter cleaning apparatus by the pump.

45. (Cancelled)

46. (Cancelled)

47. (Cancelled)

48. (Currently Amended) A filtration system as claimed in claim 1947 further comprising a closure member for closing an end of the tubular member and for re-directing liquid introduced into the tubular member through the at least one side-opening.

49. (Original) A filtration system as claimed in claim 48, wherein the closure member is generally frusto-conical in shape.

50. (Original) A filtration system as claimed in claim 48, wherein the closure member is fixedly attached to the tubular member.

51. (Original) A filtration system as claimed in claim 48, wherein the closure member is integrally formed with the tubular member.

52. (Withdrawn)

53. (Withdrawn)

54. (Withdrawn)

55. (Withdrawn)

56. (Withdrawn)

57. (Withdrawn)

58. (Withdrawn)

59. (Withdrawn)

60. (Withdrawn)

61. (Original) A filtration system as claimed in claim 19 further comprising a pressure relief valve.

62. (Original) A filtration system as claimed in claim 61 wherein the pressure relief valve is operable to prevent the pressure in the sealed vessel falling below a predetermined level.

63. (Original) A filtration system as claimed in claim 61 further comprising a pump suitable for reducing the pressure in said sealed vessel to cause liquid to be drawn into the vessel., wherein the pressure relief valve is operable to place an outlet of the pump in

communication with an inlet of the pump when the pressure in the sealed vessel falls below said predetermined level.

64. (Withdrawn)

65. (Withdrawn)

66. (Withdrawn)

67. (Withdrawn)

68. (Withdrawn)

69. (Withdrawn)

70. (Withdrawn)

71. (Withdrawn)

72. (Withdrawn)

73. (Withdrawn)

74. (Withdrawn)

75. (Withdrawn)

76. (Withdrawn)

77. (Withdrawn)

78. (Withdrawn)

79. (Withdrawn)

80. (Withdrawn)

81. (Withdrawn)

82. (Withdrawn)

83. (Withdrawn)

84. (Withdrawn)

85. (Withdrawn)

86. (Withdrawn)

87. (Withdrawn)

88. (Withdrawn)

89. (Withdrawn)

90. (Withdrawn)

91. (Withdrawn)

92. (Withdrawn)

93. (Withdrawn)

94. (Withdrawn)

95. (Withdrawn)

96. (Withdrawn)

97. (Withdrawn)

98. (Cancelled)

99. (Withdrawn)

100. (Withdrawn)

101. (Withdrawn)

102. (Withdrawn)

103. (Withdrawn)

104. (Withdrawn)

105. (Withdrawn)